

Science Advisory Board Biographies

Trinity River Restoration Program

October 28, 2003

Edmund "Ned" Andrews:

Current Position: Chief, River Mechanics Project, National Research Program, USGS, Water Resources Division. Boulder, CO.

Expertise: Research on river mechanics, especially river channel change in response to variations in flow and sediment supply; developing and improving methods to measure and calculate the entrainment and transport of sediment particles from a riverbed with mixed particle sizes.

Education: Ph.D. Geology/Aquatic Ecology.

Other Appointments: International Joint Commission Poplar River Water-Quality Board, Research Affiliate for Institute for Arctic and Alpine Research, Investigator for National Science Foundation Joint Japan-United States Project on River Meanders, U.S. Geological Survey Representative, National Academy of Sciences Review Panel for Glen Canyon Environmental Studies, Expert Witness for the U.S. Government in application for federal reserved water rights, U.S. Geological Survey Science Advisory Committee, Scientific Advisor, Upper Colorado Endangered Fish Recovery Program.

Stewart Rood:

Current Position: Professor, University of Lethbridge. Lethbridge, Alberta.

Expertise: Riparian processes and particularly the interactions between streamflow, geomorphology and vegetation ecology; impacts of damming and flow regulation on riparian woodlands dominated by cottonwoods; physiology and ecology of cottonwoods and other poplars; development of "performance measures" and quantitative tools for the evaluation of ecosystem responses for considerations of flow allocations.

Education: Ph.D. Plant Physiology.

Other Appointments: Board of Governors Research Chair, University of Lethbridge, Chair Department of Biological Sciences, University of Lethbridge, participation in numerous interdisciplinary river conservation and restoration projects in Alberta, British Columbia, Washington, Oregon, Idaho, Utah, Nevada and California.

Josh Korman:

Current Position: Systems Ecologist, Ecometric Research Inc. Vancouver, British Columbia.

Expertise: Fisheries stock assessments. Statistical analysis of environmental and fisheries data; development of computer simulation models for resource management; experimental design for environmental monitoring, fisheries stock assessment; development of decision support systems.

Education: M.Sc. Biological Oceanography.

Other Appointments: Participation with Adaptive Management Programs for the Florida Bay, Upper Mississippi River, Bridge River, Kootenai River, Columbia River, Colorado River (Grand Canyon); External Review Panel member for CALFED environmental restoration program.

Mike Sale:

Current Position: Group Leader for Water Resources, Environmental Sciences Division, Oak Ridge National Laboratory. Oak Ridge, TN.

Expertise: Water resources management and analysis, simulation and optimization modeling, freshwater ecology, environmental impact assessment, instream flow needs assessment, water pollution control technology, scientific database management, climate change, and project management.

Education: Ph.D. Environmental Engineering and Science.

Other Appointments: Distinguished Research Staff Member in the Environmental Sciences Division at Oak Ridge National Laboratory, research leader for the U.S. Department of Energy's Hydropower Program. Governing Board for the Low Impact Hydropower Institute, Member of the Water Sector Assessment Team for the National Assessment of Climate Change and Variability, co-chair of the Nine-Counties-One-Vision Air & Water Task Force.